IFWO

RAW SEQUENCE LISTING   DATE: 09/10/2004
PATENT APPLICATION: **US/10/700,249** TIME: 14:19:34

  Input Set : **N:\AMC\US10700249.raw**
  Output Set: **N:\CRF4\09102004\J700249.raw**

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 1 <110> APPLICANT: Matsui, Toshimitsu
 2        Aaronson, Stuart A.
 3        Pierce, Jacalyn H.
 4 <120> TITLE OF INVENTION: Antibodies for the Alpha Platelet-Derived Growth Factor
Receptor
 5 <130> FILE REFERENCE: 14014.0266U2
 6 <140> CURRENT APPLICATION NUMBER: US/10/700,249
 7 <141> CURRENT FILING DATE: 2003-10-31
 8 <150> PRIOR APPLICATION NUMBER: US/09/769,987
 9 <151> PRIOR FILING DATE: 2001-01-25
10 <150> PRIOR APPLICATION NUMBER: US 08/460,656
11 <151> PRIOR FILING DATE: 1995-06-02
12 <150> PRIOR APPLICATION NUMBER: US 08/439,095
13 <151> PRIOR FILING DATE: 1995-05-11
14 <150> PRIOR APPLICATION NUMBER: US 07/915,884
15 <151> PRIOR FILING DATE: 1992-07-20
16 <150> PRIOR APPLICATION NUMBER: US 07/308,282
17 <151> PRIOR FILING DATE: 1989-02-09
18 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 6412
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence; Note =
27        synthetic construct
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (139)...(3406)
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32        ccattactgt tggagctaca gggagagaaa caggaggaga ctgcaagaga tcatttggga      60
33        aggccgtggg cacgctcttt actccatgtg tgggacattc attgcggaat aacatcggag     120
34        gagaagtttc ccagagct atg ggg act tcc cat ccg gcg ttc ctg gtc tta       171
35                          Met Gly Thr Ser His Pro Ala Phe Leu Val Leu
36                           1               5                   10
37        ggc tgt ctt ctc aca ggg ctg agc cta atc ctc tgc cag ctt tca tta      219
38        Gly Cys Leu Leu Thr Gly Leu Ser Leu Ile Leu Cys Gln Leu Ser Leu
39                    15                  20                  25
40        ccc tct atc ctt cca aat gaa aat gaa aag gtt gtg cag ctg aat tca      267
41        Pro Ser Ile Leu Pro Asn Glu Asn Glu Lys Val Val Gln Leu Asn Ser
42               30                  35                  40
43        tcc ttt tct ctg aga tgc ttt ggg gag agt gaa gtg agc tgg cag tac      315
44        Ser Phe Ser Leu Arg Cys Phe Gly Glu Ser Glu Val Ser Trp Gln Tyr
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45             45                    50                    55
46    ccc atg tct gaa gaa gag agc tcc gat gtg gaa atc aga aat gaa gaa    363
47    Pro Met Ser Glu Glu Glu Ser Ser Asp Val Glu Ile Arg Asn Glu Glu
48    60                    65                    70                    75
49    aac aac agc ggc ctt ttt gtg acg gtc ttg gaa gtg agc agt gcc tcg    411
50    Asn Asn Ser Gly Leu Phe Val Thr Val Leu Glu Val Ser Ser Ala Ser
51                          80                    85                    90
52    gcg gcc cac aca ggg ttg tac act tgc tat tac aac cac act cag aca    459
53    Ala Ala His Thr Gly Leu Tyr Thr Cys Tyr Tyr Asn His Thr Gln Thr
54                          95                    100                   105
55    gaa gag aat gag ctt gaa ggc agg cac att tac atc tat gtg cca gac    507
56    Glu Glu Asn Glu Leu Glu Gly Arg His Ile Tyr Ile Tyr Val Pro Asp
57                          110                   115                   120
58    cca gat gta gcc ttt gta cct cta gga atg acg gat tat tta gtc atc    555
59    Pro Asp Val Ala Phe Val Pro Leu Gly Met Thr Asp Tyr Leu Val Ile
60          125                   130                   135
61    gtg gag gat gat gat tct gcc att ata cct tgt cgc aca act gat ccc    603
62    Val Glu Asp Asp Asp Ser Ala Ile Ile Pro Cys Arg Thr Thr Asp Pro
63    140                   145                   150                   155
64    gag act cct gta acc tta cac aac agt gag ggg gtg gta cct gcc tcc    651
65    Glu Thr Pro Val Thr Leu His Asn Ser Glu Gly Val Val Pro Ala Ser
66                          160                   165                   170
67    tac gac agc aga cag ggc ttt aat ggg acc ttc act gta ggg ccc tat    699
68    Tyr Asp Ser Arg Gln Gly Phe Asn Gly Thr Phe Thr Val Gly Pro Tyr
69                          175                   180                   185
70    atc tgt gag gcc acc gtc aaa gga aag aag ttc cag acc atc cca ttt    747
71    Ile Cys Glu Ala Thr Val Lys Gly Lys Lys Phe Gln Thr Ile Pro Phe
72                          190                   195                   200
73    aat gtt tat gct tta aaa gca aca tca gag ctg gat cta gaa atg gaa    795
74    Asn Val Tyr Ala Leu Lys Ala Thr Ser Glu Leu Asp Leu Glu Met Glu
75          205                   210                   215
76    gct ctt aaa acc gtg tat aag tca ggg gaa acg att gtg gtc acc tgt    843
77    Ala Leu Lys Thr Val Tyr Lys Ser Gly Glu Thr Ile Val Val Thr Cys
78    220                   225                   230                   235
79    gct gtt ttt aac aat gag gtg gtt gac ctt caa tgg act tac cct gga    891
80    Ala Val Phe Asn Asn Glu Val Val Asp Leu Gln Trp Thr Tyr Pro Gly
81                          240                   245                   250
82    gaa gtg aaa ggc aaa ggc atc aca atg ctg gaa gaa atc aaa gtc cca    939
83    Glu Val Lys Gly Lys Gly Ile Thr Met Leu Glu Glu Ile Lys Val Pro
84                          255                   260                   265
85    tcc atc aaa ttg gtg tac act ttg acg gtc ccc gag gcc acg gtg aaa    987
86    Ser Ile Lys Leu Val Tyr Thr Leu Thr Val Pro Glu Ala Thr Val Lys
87                          270                   275                   280
88    gac agt gga gat tac gaa tgt gct gcc cgc cag gct acc agg gag gtc    1035
89    Asp Ser Gly Asp Tyr Glu Cys Ala Ala Arg Gln Ala Thr Arg Glu Val
90          285                   290                   295
91    aaa gaa atg aag aaa gtc act att tct gtc cat gag aaa ggt ttc att    1083
92    Lys Glu Met Lys Lys Val Thr Ile Ser Val His Glu Lys Gly Phe Ile
93    300                   305                   310                   315
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 94      gaa atc aaa ccc acc ttc agc cag ttg gaa gct gtc aac ctg cat gaa      1131
 95      Glu Ile Lys Pro Thr Phe Ser Gln Leu Glu Ala Val Asn Leu His Glu
 96                      320               325                 330
 97      gtc aaa cat ttt gtt gta gag gtg cgg gcc tac cca cct ccc agg ata      1179
 98      Val Lys His Phe Val Val Glu Val Arg Ala Tyr Pro Pro Pro Arg Ile
 99                      335               340                 345
100      tcc tgg ctg aaa aac aat ctg act ctg att gaa aat ctc act gag atc      1227
101      Ser Trp Leu Lys Asn Asn Leu Thr Leu Ile Glu Asn Leu Thr Glu Ile
102              350               355                 360
103      acc act gat gtg gaa aag att cag gaa ata agg tat cga agc aaa tta      1275
104      Thr Thr Asp Val Glu Lys Ile Gln Glu Ile Arg Tyr Arg Ser Lys Leu
105          365               370                 375
106      aag ctg atc cgt gct aag gaa gaa gac agt ggc cat tat act att gta      1323
107      Lys Leu Ile Arg Ala Lys Glu Glu Asp Ser Gly His Tyr Thr Ile Val
108      380                   385                 390                 395
109      gct caa aat gaa gat gct gtg aag agc tat act ttt gaa ctg tta act      1371
110      Ala Gln Asn Glu Asp Ala Val Lys Ser Tyr Thr Phe Glu Leu Leu Thr
111                      400                 405                 410
112      caa gtt cct tca tcc att ctg gac ttg gtc gat gat cac cat ggc tca      1419
113      Gln Val Pro Ser Ser Ile Leu Asp Leu Val Asp Asp His His Gly Ser
114                  415                 420                 425
115      act ggg gga cag acg gtg agg tgc aca gct gaa ggc acg ccg ctt cct      1467
116      Thr Gly Gly Gln Thr Val Arg Cys Thr Ala Glu Gly Thr Pro Leu Pro
117              430                 435                 440
118      gat att gag tgg atg ata tgc aaa gat att aag aaa tgt aat aat gaa      1515
119      Asp Ile Glu Trp Met Ile Cys Lys Asp Ile Lys Lys Cys Asn Asn Glu
120          445                 450                 455
121      act tcc tgg act att ttg gcc aac aat gtc tca aac atc atc acg gag      1563
122      Thr Ser Trp Thr Ile Leu Ala Asn Asn Val Ser Asn Ile Ile Thr Glu
123      460                 465                 470                 475
124      atc cac tcc cga gac agg agt acc gtg gag ggc cgt gtg act ttc gcc      1611
125      Ile His Ser Arg Asp Arg Ser Thr Val Glu Gly Arg Val Thr Phe Ala
126                  480                 485                 490
127      aaa gtg gag gag acc atc gcc gtg cga tgc ctg gct aag aat ctc ctt      1659
128      Lys Val Glu Glu Thr Ile Ala Val Arg Cys Leu Ala Lys Asn Leu Leu
129                  495                 500                 505
130      gga gct gag aac cga gag ctg aag ctg gtg gct ccc acc ctg cgt tct      1707
131      Gly Ala Glu Asn Arg Glu Leu Lys Leu Val Ala Pro Thr Leu Arg Ser
132              510                 515                 520
133      gaa ctc acg gtg gct gct gca gtc ctg gtg ctg ttg gtg att gtg atc      1755
134      Glu Leu Thr Val Ala Ala Ala Val Leu Val Leu Leu Val Ile Val Ile
135          525                 530                 535
136      atc tca ctt att gtc ctg gtt gtc att tgg aaa cag aaa ccg agg tat      1803
137      Ile Ser Leu Ile Val Leu Val Val Ile Trp Lys Gln Lys Pro Arg Tyr
138      540                 545                 550                 555
139      gaa att cgc tgg agg gtc att gaa tca atc agc ccg gat gga cat gaa      1851
140      Glu Ile Arg Trp Arg Val Ile Glu Ser Ile Ser Pro Asp Gly His Glu
141                  560                 565                 570
142      tat att tat gtg gac ccg atg cag ctg cct tat gac tca aga tgg gag      1899
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143    Tyr Ile Tyr Val Asp Pro Met Gln Leu Pro Tyr Asp Ser Arg Trp Glu
144            575                 580                 585
145    ttt cca aga gat gga cta gtg ctt ggt cgg gtc ttg ggg tct gga gcg    1947
146    Phe Pro Arg Asp Gly Leu Val Leu Gly Arg Val Leu Gly Ser Gly Ala
147            590                 595                 600
148    ttt ggg aag gtg gtt gaa gga aca gcc tat gga tta agc cgg tcc caa    1995
149    Phe Gly Lys Val Val Glu Gly Thr Ala Tyr Gly Leu Ser Arg Ser Gln
150            605                 610                 615
151    cct gtc atg aaa gtt gca gtg aag atg cta aaa ccc acg gcc aga tcc    2043
152    Pro Val Met Lys Val Ala Val Lys Met Leu Lys Pro Thr Ala Arg Ser
153    620                 625                 630                 635
154    agt gaa aaa caa gct ctc atg tct gaa ctg aag ata atg act cac ctg    2091
155    Ser Glu Lys Gln Ala Leu Met Ser Glu Leu Lys Ile Met Thr His Leu
156            640                 645                 650
157    ggg cca cat ttg aac att gta aac ttg ctg gga gcc tgc acc aag tca    2139
158    Gly Pro His Leu Asn Ile Val Asn Leu Leu Gly Ala Cys Thr Lys Ser
159            655                 660                 665
160    ggc ccc att tac atc atc aca gag tat tgc ttc tat gga gat ttg gtc    2187
161    Gly Pro Ile Tyr Ile Ile Thr Glu Tyr Cys Phe Tyr Gly Asp Leu Val
162            670                 675                 680
163    aac tat ttg cat aag aat agg gat agc ttc ctg agc cac cac cca gag    2235
164    Asn Tyr Leu His Lys Asn Arg Asp Ser Phe Leu Ser His His Pro Glu
165            685                 690                 695
166    aag cca aag aaa gag ctg gat atc ttt gga ttg aac cct gct gat gaa    2283
167    Lys Pro Lys Lys Glu Leu Asp Ile Phe Gly Leu Asn Pro Ala Asp Glu
168    700                 705                 710                 715
169    agc aca cgg agc tat gtt att tta tct ttt gaa aac aat ggt gac tac    2331
170    Ser Thr Arg Ser Tyr Val Ile Leu Ser Phe Glu Asn Asn Gly Asp Tyr
171            720                 725                 730
172    atg gac atg aag cag gct gat act aca cag tat gtc ccc atg cta gaa    2379
173    Met Asp Met Lys Gln Ala Asp Thr Thr Gln Tyr Val Pro Met Leu Glu
174            735                 740                 745
175    agg aaa gag gtt tct aaa tat tcc gac atc cag aga tca ctc tat gat    2427
176    Arg Lys Glu Val Ser Lys Tyr Ser Asp Ile Gln Arg Ser Leu Tyr Asp
177            750                 755                 760
178    cgt cca gcc tca tat aag aag aaa tct atg tta gac tca gaa gtc aaa    2475
179    Arg Pro Ala Ser Tyr Lys Lys Lys Ser Met Leu Asp Ser Glu Val Lys
180            765                 770                 775
181    aac ctc ctt tca gat gat aac tca gaa ggc ctt act tta ttg gat ttg    2523
182    Asn Leu Leu Ser Asp Asp Asn Ser Glu Gly Leu Thr Leu Leu Asp Leu
183    780                 785                 790                 795
184    ttg agc ttc acc tat caa gtt gcc cga gga atg gag ttt ttg gct tca    2571
185    Leu Ser Phe Thr Tyr Gln Val Ala Arg Gly Met Glu Phe Leu Ala Ser
186            800                 805                 810
187    aaa aat tgt gtc cac cgt gat ctg gct gct cgc aac gtc ctc ctg gca    2619
188    Lys Asn Cys Val His Arg Asp Leu Ala Ala Arg Asn Val Leu Leu Ala
189            815                 820                 825
190    caa gga aaa att gtg aag atc tgt gac ttt ggc ctg gcc aga gac atc    2667
191    Gln Gly Lys Ile Val Lys Ile Cys Asp Phe Gly Leu Ala Arg Asp Ile
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192            830                835                840
193    atg cat gat tcg aac tat gtg tcg aaa ggc agt acc ttt ctg ccc gtg    2715
194    Met His Asp Ser Asn Tyr Val Ser Lys Gly Ser Thr Phe Leu Pro Val
195            845                850                855
196    aag tgg atg gct cct gag agc atc ttt gac aac ctc tac acc aca ctg    2763
197    Lys Trp Met Ala Pro Glu Ser Ile Phe Asp Asn Leu Tyr Thr Thr Leu
198    860                865                870                875
199    agt gat gtc tgg tct tat ggc att ctg ctc tgg gag atc ttt tcc ctt    2811
200    Ser Asp Val Trp Ser Tyr Gly Ile Leu Leu Trp Glu Ile Phe Ser Leu
201            880                885                890
202    ggt ggc acc cct tac ccc ggc atg atg gtg gat tct act ttc tac aat    2859
203    Gly Gly Thr Pro Tyr Pro Gly Met Met Val Asp Ser Thr Phe Tyr Asn
204            895                900                905
205    aag atc aag agt ggg tac cgg atg gcc aag cct gac cac gct acc agt    2907
206    Lys Ile Lys Ser Gly Tyr Arg Met Ala Lys Pro Asp His Ala Thr Ser
207            910                915                920
208    gaa gtc tac gag atc atg gtg aaa tgc tgg aac agt gag ccg gag aag    2955
209    Glu Val Tyr Glu Ile Met Val Lys Cys Trp Asn Ser Glu Pro Glu Lys
210            925                930                935
211    aga ccc tcc ttt tac cac ctg agt gag att gtg gag aat ctg ctg cct    3003
212    Arg Pro Ser Phe Tyr His Leu Ser Glu Ile Val Glu Asn Leu Leu Pro
213    940                945                950                955
214    gga caa tat aaa aag agt tat gaa aaa att cac ctg gac ttc ctg aag    3051
215    Gly Gln Tyr Lys Lys Ser Tyr Glu Lys Ile His Leu Asp Phe Leu Lys
216            960                965                970
217    agt gac cat cct gct gtg gca cgc atg cgt gtg gac tca gac aat gca    3099
218    Ser Asp His Pro Ala Val Ala Arg Met Arg Val Asp Ser Asp Asn Ala
219            975                980                985
220    tac att ggt gtc acc tac aaa aac gag gaa gac aag ctg aag gac tgg    3147
221    Tyr Ile Gly Val Thr Tyr Lys Asn Glu Glu Asp Lys Leu Lys Asp Trp
222            990                995                1000
223    gag ggt ggt ctg gat gag cag aga ctg agc gct gac agt ggc tac atc    3195
224    Glu Gly Gly Leu Asp Glu Gln Arg Leu Ser Ala Asp Ser Gly Tyr Ile
225            1005               1010               1015
226    att cct ctg cct gac att gac cct gtc cct gag gag gag gac ctg ggc    3243
227    Ile Pro Leu Pro Asp Ile Asp Pro Val Pro Glu Glu Glu Asp Leu Gly
228    1020               1025               1030               1035
229    aag agg aac aga cac agc tcg cag acc tct gaa gag agt gcc att gag    3291
230    Lys Arg Asn Arg His Ser Ser Gln Thr Ser Glu Glu Ser Ala Ile Glu
231            1040               1045               1050
232    acg ggt tcc agc agt tcc acc ttc atc aag aga gag gac gag acc att    3339
233    Thr Gly Ser Ser Ser Ser Thr Phe Ile Lys Arg Glu Asp Glu Thr Ile
234            1055               1060               1065
235    gaa gac atc gac atg atg gac gac atc ggc ata gac tct tca gac ctg    3387
236    Glu Asp Ile Asp Met Met Asp Asp Ile Gly Ile Asp Ser Ser Asp Leu
237            1070               1075               1080
238    gtg gaa gac agc ttc ctg t aactggcgga ttcgaggggt tccttccact    3436
239    Val Glu Asp Ser Phe Leu
240            1085
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